This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.



Declaration
Submitted
with Initial
Filing

OR

Declaration
Submitted after initial
Filing (surcharge
(37 CFR 1.16(e))
required)

Attorney Docket Number 42P16292				
First Named Inventor		drian P. Stephens	_	
COMPLETE IF KNOWN				
Application Number	10/719,208			
Filing Date	November 20, 2003			
Art Unit				
Examiner Name				

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original and first inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TRAINED DATA TRANSMISSION FOR COMMUNICATI	ON SYSTEMS
(Title of the Invention) the specification of which	
is attached hereto.	
OR ⊠ was filed on (if applicable): or11/20/2003 as United States Application Number PCT International Application Number	10/719,208
and was amended on	(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No
				☐ Yes ☐ No

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Direct all o	orrespondence to:	🛮 . Customer Nu	mber 08791	or 🗌	Correspond	ence address below
Name	Blakely, Sokolof	f, Taylor & Zafma	n LLP			
Address	12400 Wilshire Boulevard, 7th Floor					
City	Los Angeles		State California		Zip Code	90025
Country		Tele	ephone (503) 684-6200		Fax	(503) 684-3245

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE	OR FIRST INVENTOR: A petition ha	as been filed for	r this und	lersigne	d inventor	
Full Name: Adrian P. Stephens						
	(First, Middle [if any], Family No	zme (or Surname),	and Suffix	[if any])		
Inventor's Signatu	re Adria P Stephen	Date	Dec	15	2003	
				•		
Residence Car	nbridge, United Kingdom	Citizenship	British			
	(City, State, Country)	_		(Cou	ntry)	
Mailing Address	64 Lamb's Lane, Cottenham					
	Cambridge, CB4 8TA United Kingdom	· ·				

NAME OF SECON	D INVENTOR:	en filed for this un	dersigned inventor
Full Name:		A. Jacobsen	
	(First, Middle [if any], Family	Name (or Surname), a	and Suffix [if any])
Inventor's Signature	e	Date	
Residence Scot	tsdale, Arizona USA	Citizenship	USA
	(City, State, Country)		(Country)
Mailing Address	10539 E. Salt Bush Drive		
	Scottsdale, Arizona 85255 USA		
NAME OF THIRD I	NVENTOR: A petition has be	en filed for this un	dersigned inventor
Full Name:		n M. Kitchin	
	(First, Middle [if any], Family		and Suffix [if any])
Inventor's Signature	9	Date	
Residence Beav	verton, Oregon USA	Citizenship	British
	(City , State, Country)		(Country)
Mailing Address	2465 N.W. 145th Avenue		
	Beaverton, Oregon 97006 USA		
Full Name:	Sum	neet Sandhu	
	(First, Middle [if any], Family	Name (or Surname), o	and Suffix [if any])
Inventor's Signature	e	Date	
Davidana M.	A ' M' O' O' ' Samin MGA	Citiconohin	
Residence Mou	ntain View, California USA (City, State, Country)	Citizenship	(Country)
Mailing Address	2041 West El Camino Real, Apt. 106		(Country)
Ivialility Address	Mountain View, California 94040 USA		
	Mountain view, Cantornia 94040 USA		
NAME OF FIFTH II	NVENTOR:	en filed for this un	dersianed inventor
			-0.0.9
Full Name:	(First, Middle [if any], Family	Name (on Summer)	1 C-4C ((f7)
			ina Sujjix (ij anyj)
Inventor's Signature	3	Date	
Residence		Citizenship	
	(City, State, Country)		(Country)
Mailing Address			
Docket No. 42P1629	2 -3-		
DUCKEL 110. 42F 1029	-ى-		

I hereby appoint with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP, a firm including: William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Cory G. Claassen, Reg. No. 50,296; Thomas M. Coester, Reg. No. 39,637; Mimi D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George L. Fountain, Reg. No. 36,374; Adam Furst, Reg. No. 51,710; Angelo J. Gaz, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Jason R. Graff, Reg. No. 54,134; Jeffery Scott Heileson, Reg. No. 46,765; James A. Henry, Reg. No. 41,064; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Aslam A. Jaffery, Reg. No. 51,841; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steven Laut, Reg. No. 47,736; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little-Washington, Reg. No. 41,181; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Raul D. Martinez, Reg. No. 46,904; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Heather M. Molleur, Reg. No. 50,432; Richard A. Nakashima, Reg. No. 42,023; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezlan, Reg. No. 41,236; Philip A. Pedigo, Reg. No. 52,107; Marina G. Portnova, Reg. No. 45,750; Joseph A. Pugh, Reg. No. 52,137; Jon C. Reali, Reg. No. 54,391; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Kevin G. Shao, Reg. No. 45,095; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; Lisa Tom, Reg. No. 52,291; John F. Travis, Reg. No. 43,203; Kerry D. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Thomas A. Van Zandt, Reg. No. 43,219; Mark R. Vatuone, Reg. No. 53,719; Lester J. Vincent, Reg. No. 31,460; John P. Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; Chui-Kiu Teresa Wong, Reg. No. 48,042; and Norman Zafman, Reg. No. 26,250, my patent attorneys, and Chze Koon Chua, 53,831; Brent Vecchia, Reg. No. 48,011 and Lehua Wang, Reg. No. 48,023, my patent agents, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800; and James R. Thein, Reg. No. 31,710, my patent attorney. I also appoint Alan K. Aldous, Reg. No. 31,905; Rob D. Anderson, Reg. No. 33,826; Jay P. Beale, Reg. No. 50,901; Shireen I. Bacon, Reg. No. 40,494: R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert H. Chang, Reg. No. 48,765; George Chen, Reg. No. 50,807; Glen B. Chol, Reg. No. 43,546; Kenneth Cool, Reg. No. 40,570; Ted A. Crawford, Reg. No. 50,610; Robert A. Diehl, Reg. No. 40,992; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Christopher Gagne, Reg. No. 36,142; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; Jeffrey B. Huter, Reg. No. 41,086; Seth Z. Kalson, Reg. No. 40,670; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; David C. Lundmark, Reg. No. 42,815; Anthony Marinez, Reg. No. 44,223; Larry Mennemeier, Lin, Reg. No. 50,672; David C. Lundmark, Reg. No. 42,015, Antitory Maturez, Reg. No. 77,225, Carry Michael Str., Reg. No. 51,003; Molly A. Mccall, Reg. No. 46,126; Paul Nagy, Reg. No. 37,896; Michael J. Nesheiwat, Reg. No. 47,819; Dennis A. Nicholls, Reg. No. 42,036; Kathy J. Ortiz, Reg. No. 54,351; Lanny Parker, Reg. No. 44,281; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,001; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Russell C. Scott, Reg. No. 43,103; Justin B. Scout, Reg. No. 54,431; Kenneth M. Seddon, Reg. No. Reg. No. 44,316; Russell C. Scott, Reg. No. 43,103; Justin B. Scott, Reg. No. 54,431; Refineth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Ami P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Paul E. Steiner, Reg. No. 41,326; Joni D. Stutman-Hom, Reg. No. 42,173; David Tran, Reg. No. 50,804; John F. Travis, Reg. No. 43,203; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,256; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent attorneys and my patent agents, of INTEL CORPORATION; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.



Declaration
Submitted
with Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16(e))
required)

Attorney Docket Num	aber 42P16292			
First Named Inventor	Adrian P. Stephens			
COMPLETE IF KNOWN				
Application Number	10/719,208			
Filing Date	November 20, 2003			
Art Unit				
Examiner Name				

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original and first inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TRAINED DATA TRANSMISSION FOR COMMUNICAT	ION SYSTEMS
(Title of the Invention)	
he specification of which	
is attached hereto.	
OR	
was filed on (if applicable): or as United States Application Number PCT International Application Number	10/719,208
and was amended on	(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s) Foreign Filing Date Certified Copy Priority Prior Foreign Application Country (MM/DD/YYYY) Not Claimed Attached? Number(s) ☐ Yes ☐ No I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. or Correspondence address below Direct all correspondence to: 08791 ☑ Customer Number Name Blakely, Sokoloff, Taylor & Zafman LLP **Address** 12400 Wilshire Boulevard, 7th Floor State California Zip Code 90025 City Los Angeles (503) 684-3245 Country Telephone (503) 684-6200 Fax I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this undersigned inventor Full Name: Adrian P. Stephens (First, Middle [if any], Family Name (or Surname), and Suffix [if any]) Date Inventor's Signature Citizenship British Cambridge, United Kingdom Residence

Mailing Address

(City, State, Country)

Cambridge, CB4 8TA United Kingdom

64 Lamb's Lane, Cottenham

(Country)

NAME OF SECOND INVENTOR:	en filed for this undersigned inventor
	A. Jacobsen
(First, Middle [if any], Family	Name (or Surname), and Suffix [if any])
Inventor's Signature	Date 3/23/04
Residence Scottsdale, Arizona USA (City, State, Country)	Citizenship USA
Mailing Address 10539 E. Salt Bush Drive	(Country)
Scottsdale, Arizona 85255 USA	
NAME OF THIRD INVENTOR:	en filed for this undersigned inventor
Full Name: Dunca	n M. Kitchin
(First, Middle [if any], Family	Name (or Surname), and Suffix [if any])
Inventor's Signature	Date
Residence Beaverton, Oregon USA	Citizenship British
(City, State, Country)	(Country)
Mailing Address 2465 N.W. 145th Avenue	
Beaverton, Oregon 97006 USA	
Full Name: Sum	en filed for this undersigned inventor
	Name (or Surname), and Suffix [if any])
Inventor's Signature	Date
Residence Mountain View, California USA	Citizenship
(City, State, Country)	(Country)
Mailing Address 2041 West El Camino Real, Apt. 106	
Mountain View, California 94040 USA	
NAME OF FIFTH INVENTOR: A petition has been full Name:	en filed for this undersigned inventor
	Name (or Surname), and Suffix [if any])
Inventor's Signature	vame (or surname), and suffix [if any])
Residence	Date
(City, State, Country)	Citizenship
(City, State, Country) Mailing Address	

I hereby appoint with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP, a firm including: William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Cory G. Claassen, Reg. No. 50,296; Thomas M. Coester, Reg. No. 39,637; Mimi D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George L. Fountain, Reg. No. 36,374; Adam Furst, Reg. No. 51,710; Angelo J. Gaz, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Jason R. Graff, Reg. No. 54,134; Jeffery Scott Heileson, Reg. No. 46,765; James A. Henry, Reg. No. 41,064; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Aslam A. Jaffery, Reg. No. 51,841; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steven Laut, Reg. No. 47,736; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little-Washington, Reg. No. 41,181; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Raul D. Martinez, Reg. No. 46,904; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Heather M. Molleur, Reg. No. 50,432; Richard A. Nakashima, Reg. No. 42,023; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Philip A. Pedigo, Reg. No. 52,107; Marina G. Portnova, Reg. No. 45,750; Joseph A. Pugh, Reg. No. 52,137; Jon C. Reali, Reg. No. 54,391; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Kevin G. Shao, Reg. No. 45,095; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; Lisa Tom, Reg. No. 52,291; John F. Travis, Reg. No. 43,203; Kerry D. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Thomas A. Van Zandt, Reg. No. 43,219; Mark R. Vatuone, Reg. No. 53,719; Lester J. Vincent, Reg. No. 31,460; John P. Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; Chui-Kiu Teresa Wong, Reg. No. 48,042; and Norman Zafman, Reg. No. 26,250, my patent attorneys, and Chze Koon Chua, 53,831; Brent Vecchia, Reg. No. 48,011 and Lehua Wang, Reg. No. 48,023, my patent agents, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800; and James R. Thein, Reg. No. 31,710, my patent attorney. I also appoint Alan K. Aldous, Reg. No. 31,905; Rob D. Anderson, Reg. No. 33,826; Jay P. Beale, Reg. No. 50,901; Shireen I. Bacon, Reg. No. 40,494: R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert H. Chang, Reg. No. 48,765; George Chen, Reg. No. 50,807; Glen B. Choi, Reg. No. 43,546; Kenneth Cool, Reg. No. 40,570; Ted A. Crawford, Reg. No. 50,610; Robert A. Diehl, Reg. No. 40,992; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Christopher Gagne, Reg. No. 36,142; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; Jeffrey B. Huter, Reg. No. 41,086; Seth Z. Kalson, Reg. No. 40,670; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; David C. Lundmark, Reg. No. 42,815; Anthony Martinez, Reg. No. 44,223; Larry Mennemeier, Reg. No. 51,003; Molly A. Mccall, Reg. No. 46,126; Paul Nagy, Reg. No. 37,896; Michael J. Nesheiwat, Reg. No. 47,819; Dennis A. Nicholls, Reg. No. 42,036; Kathy J. Ortiz, Reg. No. 54,351; Lanny Parker, Reg. No. 44,281; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Russell C. Scott, Reg. No. 43,103; Justin B. Scout, Reg. No. 54,431; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Ami P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Paul E. Steiner, Reg. No. 41,326; Joni D. Stutman-Horn, Reg. No. 42,173; David Tran, Reg. No. 50,804; John F. Travis, Reg. No. 43,203; Robert G. Winkle, Reg. No. 37,474; Šharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,256; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent attorneys and my patent agents, of INTEL CORPORATION; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.



Declaration
Submitted
with Initial
Filing

OR

Declaration
Submitted after initial
Filing (surcharge
(37 CFR 1.16(e))
required)

Attorney Docket Num	ber 42P16292	
First Named Inventor	Adrian P. Stephens	
C	COMPLETE IF KNOWN	
Application Number	10/719,208	
Filing Date	November 20, 2003	
Art Unit		
Examiner Name		

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original and first inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TRAINED DATA TRANSMISSION FOR COMMUNICAT	TON SYSTEMS
(Title of the Invention)	
the specification of which	
is attached hereto.	
OR	
was filed on (if applicable): or	10/719,208
and was amended on	(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

ΗU	<u>or</u>	F	oreig	n A	ppiic	atto	nıs
-	_						

Prior Foreig	n Application(s)						
	oreign Application Number(s)	Cou	ntry	Foreign Filing Date (MM/DD/YYYY)		ority laimed	Certified Copy Attached?
							☐ Yes ☐ No
							☐Yes ☐No
						_	☐ Yes ☐ No
					ί	3	☐ Yes ☐ No
					{	J .	☐ Yes ☐ No
of this docu and revoca Trademark	iment) as my res tion, to prosecute Office connected	pective pater e this applica d herewith.	nt attorney tion and to	s and patent ager transact all busin	nts, with ness in t	full powe he U.S. I	Patent and
Direct all co	rrespondence to:	⊠ . Custome	r Number	08791	or 🔲	Correspor	ndence address belov
Name	Blakely, Sokolofi	, Taylor & Za	fman LLP				
Address	12400 Wilshire B	oulevard, 7th	Floor				
City	Los Angeles		State	California		Zip Code	90025
Country			Telephone	(503) 684-6200		Fax	(503) 684-3245
statements were made fine or impr	made on information with the knowled isonment, or both	ation and beli Ige that willfun, under 18 L	ef are beli Il false sta J.S.C. 100	f my own knowled eved to be true; a tements and the li 1 and that such w ent issued thereon	nd furth ke so m illful fals	er that th ade are	ese statements punishable by
NAME OF	SOLE OR FIRST	INVENTOR	: [] A pe	etition has been file	ed for th	is under	signed inventor
Full Name:				Adrian P. Stephen			
		(First, Midd	lle [if any], I	Family Name (or Surn	-	d Suffix [if	any])
Inventor's S	Signature			Date	•		
Residence	Cambridge, U	nited Kingdon	1	Citizer	nship I	British	
	. (City, State, Co	untry)		_		(Country)

Mailing Address

64 Lamb's Lane, Cottenham

Cambridge, CB4 8TA United Kingdom

NAME OF SECOND INVENTOR:	cerr med for this undersigned inventor
	: A. Jacobsen
(First, Middle [i] any], Family	y Name (or Surname), and Suffix [if any]) Date
Residence Scottsdale, Arizona USA	Citizenship USA
(City, State, Country)	(Country)
Mailing Address 10539 E. Salt Bush Drive	
Scottsdale, Arizona 85255 USA	
NAME OF THIRD INVENTOR:	een filed for this undersigned inventor
	an M. Kitchin
	v Name (or Surname), and Suffix [if any])
Inventor's Signature	Date 3/16/04
Residence Beaverton, Oregon USA	Citizenship British
(City, State, Country)	(Country)
Mailing Address 2465 N.W. 145th Avenue	
Beaverton, Oregon 97006 USA	
Full Name: Sur	neet Sandhu
(First, Middle [if any], Family	Name (or Surname), and Suffix [if any])
nventor's Signature	Date
Decidence M. A. Will Office Visual MOA	Oldinanahin
Residence Mountain View, California USA (City, State, Country)	Citizenship(Country)
Mailing Address 2041 West El Camino Real, Apt. 106	(Country)
Mountain View, California 94040 USA	
Modificant view, Cantolina 54040 Cox	·
NAME OF FIFTH INVENTOR:	een filed for this undersigned inventor
Full Name:	
(First, Middle [if any], Family	Name (or Surname), and Suffix [if any])
Inventor's Signature	Date
	Citizenship
Residence (City , State, Country)	Citizenship (Country)
	(Country)

I hereby appoint with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP, a firm including: William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Cory G. Claassen, Reg. No. 50,296; Thomas M. Coester, Reg. No. 39,637; Mimi D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George L. Fountain, Reg. No. 36,374; Adam Furst, Reg. No. 51,710; Angelo J. Gaz, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Jason R. Graff, Reg. No. 54,134; Jeffery Scott Heileson, Reg. No. 46,765; James A. Henry, Reg. No. 41,064; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Aslam A. Jaffery, Reg. No. 51,841; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steven Laut, Reg. No. 47,736; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little-Washington, Reg. No. 41,181; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Raul D. Martinez, Reg. No. 46,904; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Heather M. Molleur, Reg. No. 50,432; Richard A. Nakashima, Reg. No. 42,023; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Philip A. Pedigo, Reg. No. 52,107; Marina G. Portnova, Reg. No. 45,750; Joseph A. Pugh, Reg. No. 52,137; Jon C. Reali, Reg. No. 54,391; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Kevin G. Shao, Reg. No. 45,095; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; Lisa Tom, Reg. No. 52,291; John F. Travis, Reg. No. 43,203; Kerry D. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Thomas A. Van Zandt, Reg. No. 43,219; Mark R. Vatuone, Reg. No. 53,719; Lester J. Vincent, Reg. No. 31,460; John P. Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; Chui-Kiu Teresa Wong, Reg. No. 48,042; and Norman Zafman, Reg. No. 26,250, my patent attorneys, and Chze Koon Chua, 53,831; Brent Vecchia, Reg. No. 48,011 and Lehua Wang, Reg. No. 48,023, my patent agents, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800; and James R. Thein, Reg. No. 31,710, my patent attorney. I also appoint Alan K. Aldous, Reg. No. 31,905; Rob D. Anderson, Reg. No. 33,826; Jay P. Beale, Reg. No. 50,901; Shireen I. Bacon, Reg. No. 40,494: R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert H. Chang, Reg. No. 48,765; George Chen, Reg. No. 50,807; Glen B. Choi, Reg. No. 43,546; Kenneth Cool, Reg. No. 40,570; Ted A. Crawford, Reg. No. 50,610; Robert A. Diehl, Reg. No. 40,992; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Christopher Gagne, Reg. No. 36,142; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; Jeffrey B. Huter, Reg. No. 41,086; Seth Z. Kalson, Reg. No. 40,670; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; David C. Lundmark, Reg. No. 42,815; Anthony Martinez, Reg. No. 44,223; Larry Mennemeier, Reg. No. 51,003; Molly A. Mccall, Reg. No. 46,126; Paul Nagy, Reg. No. 37,896; Michael J. Nesheiwat, Reg. No. 47,819; Dennis A. Nicholls, Reg. No. 42,036; Kathy J. Ortiz, Reg. No. 54,351; Lanny Parker, Reg. No. 44,281; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Russell C. Scott, Reg. No. 43,103; Justin B. Scout, Reg. No. 54,431; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Ami P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Paul E. Steiner, Reg. No. 41,326; Joni D. Stutman-Horn, Reg. No. 42,173; David Tran, Reg. No. 50,804; John F. Travis, Reg. No. 43,203; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,256; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent attorneys and my patent agents, of INTEL CORPORATION; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.



Declaration Submitted with Initial Filling

OR

Declaration
Submitted after initial
Filling (surcharge
(37 CFR 1.16(e))
required)

Attorney Docket Num	nber 42P16292	_
First Named Inventor	Adrian P. Stephens	
C	COMPLETE IF KNOWN	_
Application Number	10/719,208	-
Filing Date	November 20, 2003	
Art Unit		_
Examiner Name		_

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original and first inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TRAINED DATA TRANSMISSION FOR COMMUNICAT	TION SYSTEMS
(Title of the Invention)	
the specification of which	
is attached hereto.	
OR	
was filed on (if applicable):	
or as United States Application Number PCT International Application Number	10/719,208
and was amended on	_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filling date of the prior application and the national or PCT international filling date of the continuation-in-part application.

Docket No. 42P16292

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior For	<u>iqqA npie</u>	ication(s)

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
				☐Yes ☐ No
				☐Yes ☐ No
		,		☐Yes ☐ No
				☐ Yes ☐ No
				☐Yes ☐ No
hereby appoint the persons of this document) as my res and revocation, to prosecute frademark Office connected	e this application and to	I ROAS TOATON TINK S	to seeith Eall market	
Direct all correspondence to:	☑. Customer Number	08791	r 🗀 Correspor	ndence address belo
Name				

OW N Blakely, Sokoloff, Taylor & Zafman LLP Address 12400 Wilshire Boulevard, 7th Floor City Los Angeles State California Zip Code 90025 Country Telephone (503) 684-6200 Fax (503) 684-3245

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SO	LE OR FIRST INVENTOR:	s been filed for	this undersi	gned Inventor
Full Name:	Adrian P.	Stephens		
	(First, Middle [if any], Family Nan	ne (or Surname),	and Suffix fif a	77/)
Inventor's Sign		Date _		
Residence	Cambridge, United Kingdom	Citizenship	British	
	(City, State, Country)	·		Country)
Mailing Addres	s 64 Lamb's Lane, Cottenham			,,
	Cambridge, CB4 8TA United Kingdom			

Docket No. 42P16292

Full Name:	Eric	A. Jacobsen	
	(First, Middle [if any], Family	Name (or Surname),	and Suffix [if any])
Inventor's Signature		Date	25 727
Decide a second			
Residence Scottsdale	, Arizona USA	Citizenship	
Mailing Address 1053	(City, State, Country)		(Country)
*****	9 E. Salt Bush Drive		
Scou	sdale, Arizona 85255 USA		
NAME OF THIRD INVEN	NTOR: A petition has be	en filed for this un	dersigned inventor
Full Name:	Dunce	n M. Kitchin	
	(First, Middle [if any], Family	Name (or Surname).	and Suffix [if any])
nventor's Signature		Date	· · · · · · · · · · · · · · · · · · ·
	-		
Residence Beaverton,	Oregon USA	Citizenship	British
4 M9 A 4 A	(City . State, Country)	<i>→</i>	(Country)
· · · · · · · · · · · · · · · · · · ·	N.W. 145th Avenue		
Beave	erton, Oregon 97006 USA		
NAME OF FOURTH INV	ENTOR:	en filed for this und	dersigned inventor
			dersigned inventor
	Sum	eet Sandhu	
Full Name:	Sum (First, Middlep[if any], Papyly)	eet Sandhu Name (or Surname), a	
Full Name:	Sum (First, Middley [if any], Pantly	eet Sandhu	
rventor's Signature	Sum (First, Middle (if any), Panyly Line of avoid Sax View, California USA	eet Sandhu Name (or Surname), a	
	Sum (First, Middler(if any), Pantly SOSE View, California USA (City, State, Country)	eet Sandhu Name (or Surname), a 4 Date	
rventor's Signature Residence Mountain Malling Address 2041-1	Sum (First, Middler(if any), Pantly Control (City, State, Country)	eet Sandhu Name (or Surname), a 4 Date	ond Suffix [if any]) 12/10/03 USA (Country)
rventor's Signature Residence Mountain Malling Address 2041-1	Sum (First, Middler(if any), Pantly Control (City, State, Country)	eet Sandhu Name (or Surname), a Date Citizenship 25 R10	ord Suffix [if any]) 12/10/03 USA (Country) ROBLES EAST, #40
rventor's Signature Residence Mountain Malling Address 2041-1	Sum (First, Middler(if any), Pantly SOSE View, California USA (City, State, Country)	eet Sandhu Name (or Surname), a Date Citizenship 25 R10	ond Suffix [if any]) 12/10/03 USA (Country)
rventor's Signature Residence Mountain Malling Address 2041-1	Sum (First, Middler(if any), Pantly SO E Jier, California USA (City, State, Country)	eet Sandhu Name (or Surname), a Date Citizenship 25 R10	ord Suffix [if any]) 12/10/03 USA (Country) ROBLES EAST, #40
riventor's Signature Residence Mountain Malling Address S. S. Mountain	Sum (First, Middley[if any], Pantly) (First, Middley[if any], Pantly) (Company) (City, State, Country) West El Camino Real, Apr. 105 Din Vew, California 94040 USA	eet Sandhu Name (or Surname), a Date Citizenship 25 R10	ODDE CA 95134
riventor's Signature Residence SAN Mountain Malling Address SSAN Mountain Mounta	Sum (First, Middley[if any], Pantly (First, Middley[if any], Pantly (City, State, Country) West El Camino Real, Apt. 105 Din Yow, California 94040 USA	eet Sandhu Name (or Surname), a Date Citizenship 25 R10	ODDE CA 95134
riventor's Signature Residence SAN Address Mountain SAN Mountain Mountain SAN Mountain Mountain AME OF FIFTH INVENT	Sum (First, Middleylif any), Panyly (First, Middleylif any), Panyly (CSE View, California USA (City, State, Country) Vert El Camino Real, Apr. 106 TOR: A petition has been	eet Sandhu Name (or Surname), a Date Citizenship 25 RJO SAN	IZ/10/03 12/10/03 USA (Country) ROBLES EAST, #40 TOSE, CA 95134 dersigned inventor
riventor's Signature Residence Advantaia Italling Address SAN Mountaia Mountaia Italling Address Mountaia Italling Address SAN Mountaia Mountaia Italling Address Mountaia Italling Address Mountaia Italling Address Mountaia Mountaia Italling Address Mountaia Italling Address Mountaia Italling Address Mountaia Italling Address Mountaia Mountaia Italling Address Mountaia Mountaia Italling Address Mountaia Italling Address Mountaia Mountai	Sum (First, Middley[if any], Pantly (First, Middley[if any], Pantly (City, State, Country) West El Camino Real, Apt. 105 Din Yow, California 94040 USA	eet Sandhu Name (or Surname), a Date Citizenship 25 RJO SAN	IZ/10/03 12/10/03 USA (Country) ROBLES EAST, #40 TOSE, CA 95134 dersigned inventor
riventor's Signature Residence Mountain //alling Address SAN Mountain //alling Address SAN Mountain //alling Address SAN Mountain Mounta	Sum (First, Middleylif any), Panyly (First, Middleylif any), Panyly (CSE View, California USA (City, State, Country) Vert El Camino Real, Apr. 106 TOR: A petition has been	eet Sandhu Name (or Surname), a Date Citizenship 25 RJO SAN	IZ/10/03 12/10/03 USA (Country) ROBLES EAST, #40 TOSE, CA 95134 dersigned inventor
riventor's Signature Residence S. Mountain Malling Address S.S. Mountain	Sum (First, Middle fif any), Pantly (City, State, Country) Vert El Camino Real, Apr. 106 TOR: A petition has been (First, Middle [if any], Family)	eet Sandhu Name (or Surname), a Date Citizenship 25 RIO SAN en filed for this und	IZ/10/03 12/10/03 USA (Country) ROBLES EAST, #40 TOSE, CA 95134 dersigned inventor
rventor's Signature Residence Mountain Malling Address 2041-1	Sum (First, Middle fif any), Pantly (Company) (City, State, Country) (City, State, Country)	eet Sandhu Name (or Surname), a Date Citizenship 25 RIO SAN en filed for this und	IZ/10/03 USA (Country) ROBLES EAST #4(STOSE, CA 95134) dersigned inventor and Suffix [if any])
riventor's Signature Residence SAN Residence Mountain Mou	Sum (First, Middle fif any), Pantly (City, State, Country) Vert El Camino Real, Apr. 106 TOR: A petition has been (First, Middle [if any], Family)	eet Sandhu Name (or Surname), a Date Citizenship 25 RIO SAN en filled for this und	IZ/10/03 12/10/03 USA (Country) ROBLES EAST, #40 TOSE, CA 95134 dersigned inventor
riventor's Signature Residence S. Mountain Malling Address S.S. Mountain	Sum (First, Middle fif any), Pantly (Company) (City, State, Country) (City, State, Country)	eet Sandhu Name (or Surname), a Date Citizenship 25 RIO SAN en filled for this und	IZ/10/03 USA (Country) ROBLES EAST #4(STOSE, CA 95134) dersigned inventor and Suffix [if any])
riventor's Signature Residence S. Mountain Malling Address S.S. Mountain	Sum (First, Middle fif any), Pantly (Company) (City, State, Country) (City, State, Country)	eet Sandhu Name (or Surname), a Date Citizenship 25 RIO SAN en filled for this und	IZ/10/03 USA (Country) ROBLES EAST #4(STOSE, CA 95134) dersigned inventor and Suffix [if any])

I hereby appoint with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP, a firm including: William E. Alford, Reg. No. 37,784; Farzad E. Amini, Reg. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Bumett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Cory G. Claassen, Reg. No. 50,296; Thomas M. Coester, Reg. No. 39,637; Miml D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Femill, Reg. No. 42,532; George L. Fountain, Reg. No. 36,374; Adam Furst, Reg. No. 51,710; Angelo J. Gaz, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Jason R. Graff, Reg. No. 54,134; Jeffery Scott Heileson, Reg. No. 46,765; James A. Henry, Reg. No. 41,064; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Aslam A. Jaffery, Reg. No. 51,841; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steven Laut, Reg. No. 47,735; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little-Washington, Reg. No. 41,181; Joseph Lutz, Reg. No. 43,765; Michael J. Malile, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Raul D. Martinez, Reg. No. 46,904; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Heather M. Molleur, Reg. No. 50,432; Richard A. Nakashima, Reg. No. 42,023; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Philip A. Pedigo, Reg. No. 52,107; Marina G. Portnova, Reg. No. 45,750; Joseph A. Pugh, Reg. No. 52,137; Jon C. Reali, Reg. No. 54,391; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Kevin G. Shao, Reg. No. 45,095; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; Lisa Torn, Reg. No. 52,291; John F. Travis, Reg. No. 43,203; Kerry D. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Thomas A. Van Zandt, Reg. No. 43,219; Mark R. Vatuone, Reg. No. 53,719; Lester J. Vincent, Reg. No. 31,460; John P. Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; Chul-Kiu Teresa Wong, Reg. No. 48,042; and Norman Zafman, Reg. No. 26,250, my patent attorneys, and Chze Koon Chua, 53,831; Brent Vecchia, Reg. No. 48,011 and Lehua Wang, Reg. No. 48,023, my patent agents, with offices located at 12400 Witshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800; and James R. Thein, Reg. No. 31,710, my patent attorney. I also appoint Alan K. Aldous, Reg. No. 31,805; Rob D. Anderson, Reg. No. 33,826; Jay P. Beale, Reg. No. 50,901; Shireen I. Bacon, Reg. No. 40,494: R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert H. Chang, Reg. No. 48,765; George Chen, Reg. No. 50,807; Glen B. Chol, Reg. No. 43,546; Kenneth Cool, Reg. No. 40,570; Ted A. Crawford, Reg. No. 50,610; Robert A. Diehl, Reg. No. 40,992; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg No. 39,973; Christopher Gagne, Reg. No. 36,142; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; Jeffrey B. Huter, Reg. No. 41,086; Seth Z. Kalson, Reg. No. 40,670; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; David C. Lundmark, Reg. No. 42,815; Anthony Martinez, Reg. No. 44,223; Larry Mennemeier, Reg. No. 51,003; Molly A. Mccall, Reg. No. 46,126; Paul Nagy, Reg. No. 37,896; Michael J. Nesheiwat, Reg. No. 47,819; Dennis A. Nicholls, Reg. No. 42,038; Kathy J. Ortiz, Reg. No. 54,351; Lanny Parker, Reg. No. 44,281; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Russell C. Scott, Reg. No. 43,103; Justin B. Scout, Reg. No. 54,431; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Ami P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Paul E. Stelner, Reg. No. 41,328; Joni D. Stutman-Horn, Reg. No. 42,173; David Tran, Reg. No. 50,804; John F. Travis, Reg. No. 43,203; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,258; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent attorneys and my patent agents, of INTEL CORPORATION; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected